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RECORD OF USSR SCIENTIFIC EXPEDITIONS,  
FEBRUARY - MARCH 1953

STUDY PROBLEMS OF IRRIGATION AGRICULTURE -- Stalinabad, Kommunist Tadzhik-istana, 29 Apr 53

A joint expedition of the Academy of Sciences Ukrainian SSR is conducting scientific research work on irrigation in connection with the forthcoming operation of the Verkhne-Inguletskiy irrigation system in Snirgirevskiy Rayon.

During 1953, the number of experimental sections and bases of the expedition in the kolkhozes imeni Malenkov and imeni Karl Marks will double. For the first time, detailed experiments will be conducted on the cultivation of sunflower seeds, southern hemp, kenaf, and other industrial crops under irrigation conditions.

Scientific workers of the Institute of Forestry Ukrainian SSR have established an experimental section, which will study methods of afforestation for the widely branching network of the Verkhne-Inguletskiy irrigation system.

Work directed toward raising the yield of winter wheat, the development of livestock raising, and the electrification of kolkhoz production will be continued.

UNIVERSITY SPONSORS VARIETY OF EXPEDITIONS -- Moscow, Moskovskaya Pravda, 25 Apr 53

About 200 professors, teachers, graduate students, and undergraduates of Moscow State University imeni M. V. Lomonosov will take part in four scientific expeditions organized by the Geographic Faculty. In a few days, a large group of specialists in economic and physical geography, geomorphologists, hydrologists, soil scientists, and botanists will leave for Stalingrad. From there, they will go to the Volga-Akhtuba bottomland area and the Volga delta to make a detailed study of the basic questions of the development of agriculture in connection with the irrigation construction projects to be built there.

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At the beginning of May, a similar expedition headed by Professor Kolosovskiy, Stalin Prize Winner, will go to Eastern Siberia. The geographers will investigate the natural and economic conditions of the areas adjacent to the Angara River. The results of this work will be utilized for the planning and construction of powerful hydroelectric projects along the Angara.

After the summer examination period, an expedition of the Student Scientific Society will continue its work in Zarayskiy Rayon, Moskovskaya Oblast. In some consolidated kolkhozes, students have already made topographic surveys and prepared soil charts. Now, the members of the expedition have the task of conducting similar work in the entire rayon.

About 20 scientific expeditions of Moscow State University imeni M. V. Lomonosov, in which about 1,000 persons will take part, will work this summer in the cities and villages of the country.

WIDE RANGE OF EXPEDITIONS ALONG STALINGRAD CANAL -- Alma-Ata, Kazakhstanskaya Pravda, 14 Apr 53

Several days ago, an expedition of the Institute for the Utilization of Desert Areas, Academy of Sciences Kazakh SSR, headed by Yu. K. Madenov, left for Gur'yevskaya Oblast. The members of the expedition will study the agromonic characteristics of the soil in the area adjacent to the Stalingrad Canal and will determine methods for the reclamation and fertilization of the soil.

An expedition of the Institute of Experimental Biology, Academy of Sciences Kazakh SSR, has left for the kolkhozes imeni Stalin and imeni Dzhambul of Taypakskiy Rayon, Zapadno-Kazakhstanskaya Oblast. It will continue work done in 1952 on improving the quality and increasing the production of kolkhoz livestock.

Scientific associates of the Institute of Botany, under the direction of L. G. Dobrunov, doctor of biological sciences, are studying scientific irrigation and fertilization methods for the Caspian lowlands and are developing methods for increasing the yield of fodder grasses.

Other expeditions of the Academy of Sciences Kazakh SSR are preparing for departure. In 1953, 22 expeditionary detachments will work along the route of the Stalingrad canal.

EXPEDITION FACES VARIED TASKS -- Alma-Ata, Kazakhstanskaya Pravda, 22 Mar 53

The first detachment of a joint expedition of the Academy of Sciences USSR has left Moscow for the western Kazakh SSR.

This year, the expedition will occupy itself mainly with local investigations. Three new shelter belt stations will be created in the Gora Vishnevaya-Caspian Sea State Shelter Belt. Foresters of the expedition have already gone to the Caspian Sea region to take part in preparations for the planting of trees. Hydrologists have also gone to the western Kazakh SSR to study the accumulation of moisture in the soil resulting from the thawing of snow. Physiologists will busy themselves in determining the consumption of water by forest plantings. Entomologists and zoologists will study methods of fighting forest insect pests.

This year, members of the expedition will finish a collection of hydrogeologic data, study the question of the utilization of estuarian dams for irrigation, and give a final report on the physical characteristics of the soil suitable for initial irrigation.

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In the area around Dzhan'yevskiy Station, the scientists will undertake new experiments connected with the planting of oaks between rows of fast-growing varieties of trees.

The members of the expedition, on the request of organizations planning the irrigation and utilization of the Caspian Sea region, are making a chart of the area food reserves in the western Kazakh SSR and Gur'yevskaya Oblast, located south of the Stalingrad Canal.

ORGANIZE HEALTH FACILITIES FOR CANAL WORKERS -- Ashkhabad, Turkmenkaya Iskra, 2 Apr 53

The expedition of the Academy of Medical Sciences USSR which has arrived in Kazandzhik is giving valuable assistance to the medical institutions serving the prospectors and construction workers of the southern section of the Main Turkmen Canal route. On the staff of the expedition are Koponyachenko and Mikhel'man, doctors of medical science, and Shiskin, Kobozeva, and Kornblyum, candidates of medical science. An X-ray-fluoroscopic group of the Central Institute of Roentgenology and Radiology, Ministry of Health USSR, is attached to the expedition. This group is supplied with the newest X-ray equipment and other domestic apparatus.

The leader of the expedition, Pavel Panteleyvich Red'kin, Senior Scientific Associate of the Institute of Public Health and the History of Medicine imeni N. A. Simashko, gave the following information to a Turkmenkaya Iskra correspondent:

The joint expedition of the Academy of Medical Sciences USSR has been active in Kazandzhik since the beginning of March 1953. Its plan of work was approved at a session of the Committee for Assistance to the Great Construction Projects of Communism under the Presidium of the Academy of Medical Sciences USSR. Its aim is to give the doctors along the canal route the necessary help in the organization of public health.

The workers of the expedition are attending lectures on medical themes and are conducting medical consultations.

The expedition will spend 2 months along the canal route. During this period, large scale medical-prophylactic measures will be carried out in Yashkan, Bala-Ishema, Kurtush-Baba, Danata, Iskander, and other populated points of the southern section of the canal-route.

STUDY RODENTS IN SHELTER BELTS -- Ashkhabad, Turkmenkaya Iskra, 7 Apr 53

A zoological expedition of the Institute of Biology, Academy of Sciences Turkmen SSR, under the leadership of O. N. Murgel'dyev, has left for the northern section of the Main Turkmen Canal.

The expedition will study the biology and ecology of rodents and evaluate the harm done by rodents in shelter belts in the area of the canal construction project.

The expedition will spend 90 days on the canal construction project route.

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SERIES OF EXPEDITIONS IN KAZAKH SSR -- Moscow, Izvestiya, 8 Apr 53

The Institute of Zoology and Parasitology Kirghiz SSR, created in January of this year, is developing important scientific work. Scientists have organized a series of expeditions in different areas of the republic. A. I. Yanushevich, doctor of biological science, is heading an interesting expedition. The scientists are studying the acclimatization of animals and birds and are collecting different zoological specimens in the nut forests and in the Lake Issyk-Kul' area. The expedition will select regions for the acclimatization of new fur-bearing animals which will be brought from Siberia and the Far East.

A group of ichthyologists is making last-minute preparations for an expedition. It will study the development of trout and the osman [*Dyptychus* genus] and Marinka [*Schizotorax* genus] carp varieties in Lake Issyk-Kul' and the mountain rivers of the Alayskaya Valley. At the suggestion of F. A. Turdakov, doctor of biological science, and Junior Scientific Associate B. P. Luzhin, a fish plant for the rearing of trout and osman fry will be constructed on the Ton River, which flows into Lake Issyk-Kul'.

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